

# MATERIAL SAFETY DATA SHEET

MSDS-3

**OPM**  
**2901-1**

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

JAN 29 1982

## SECTION I

MANUFACTURER'S NAME <b>ALPHA METALS, INC.</b>		EMERGENCY TELEPHONE NO. <b>(201) 434-6778</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>56 Water Street, Jersey City, New Jersey 07304</b>		
CHEMICAL NAME AND SYNONYMS <b>Flux Thinner</b>		TRADE NAME AND SYNONYMS <b>No. 810 Thinner</b>
CHEMICAL FAMILY <b>Alcohol</b>	FORMULA <b>*Proprietary (see below)</b>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
				%	TLV (Units)
*Composition: A blend of alcohols containing a small percentage of terpene solvent.					

<b>**Calculated values</b>		<b>SECTION III - PHYSICAL DATA</b>	
BOILING POINT (°F.)	203° F	SPECIFIC GRAVITY (H <sub>2</sub> O=1) g/cc @77° F	0.795
VAPOR PRESSURE (mm Hg.) **@20° C	32	PERCENT VOLATILE BY VOLUME (%)	100%
VAPOR DENSITY (AIR=1) **	2.3	EVAPORATION RATE (CCL 4 = 100)	30
SOLUBILITY IN WATER	Slight	Autoignition temp.**	600° F.
APPEARANCE AND ODOR Clear, colorless - slight lemon-like odor.			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) <b>Tag Closed Cup 64° F. Red Label</b>	FLAMMABLE LIMITS	Lel <b>1.7</b>	Uel <b>11.0</b>
EXTINGUISHING MEDIA <b>"Alcohol" foam, dry chemical, carbon dioxide</b>			
SPECIAL FIRE FIGHTING PROCEDURES <b>Cool exposed container with water.</b>			
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>None</b>			

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Not established

EFFECTS OF OVEREXPOSURE Solvent action may defat skin.

EMERGENCY AND FIRST AID PROCEDURES Move to fresh air. If swallowed, call a physician. Flush skin and eye contact with water

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID Anhydride, Isocyanate, monomer, and organometallic contamination
	STABLE	X	

INCOMPATIBILITY (Materials to avoid) Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Eliminate all sources of ignition. Flush heavily with water.

WASTE DISPOSAL METHOD Atomize into an incinerator. Waste disposal must be in accordance with applicable laws and regulations

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) All purpose canister mask

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General) Acceptable	

PROTECTIVE GLOVES Solvent resistant	EYE PROTECTION Face shield
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OTHER PROTECTIVE EQUIPMENT Not applicable

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Flammable. Keep away from heat, sparks, and open flame. Use only with adequate ventilation.

OTHER PRECAUTIONS Do not use aluminum.